

1998 CALIFORNIA 303(d) LIST AND TMDL PRIORITY SCHEDULE

NORTH COAST REGIONAL WATER QUALITY CONTROL BOARD

Approved by USEPA: 12-May-99

REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
1	E	EEL RIVER DELTA	111.110	Sedimentation/Siltation		Low	6350	Acres	0204	1206
					Range Land Silviculture Nonpoint Source					
				Temperature		Low	6350	Acres	0204	1206
					Nonpoint Source					
1	E	ESTERO AMERICANO	115.300	Nutrients		Medium	692	Acres	0497	0206
					<i>Water Quality Attainment strategy is attempting to increase voluntary measures for attainment of standards and objectives, as was done in the Estero de San Antonio / Stemple Creek TMDL Water Quality Attainment Strategy, adopted by the North Coast Regional Water Quality Control Board at the December 11, 1997 meeting.</i>					
					Pasture Land Manure Lagoons					
				Sedimentation/Siltation		Medium	692	Acres	0497	0206
					<i>Water Quality Attainment strategy is attempting to increase voluntary measures for attainment of standards and objectives, as was done in the Estero de San Antonio / Stemple Creek TMDL Water Quality Attainment Strategy, adopted by the North Coast Regional Water Quality Control Board at the December 11, 1997 meeting.</i>					
					Riparian Grazing Hydromodification Removal of Riparian Vegetation Streambank Modification/Destabilization Erosion/Siltation Nonpoint Source					
1	E	ESTERO DE SAN ANTONIO	115.400	Nutrients		Low	319	Acres	0496	0498
					<i>This water body/pollutant was relisted by USEPA.</i>					
					Pasture Land Manure Lagoons					
1	E	NAVARRO RIVER DELTA	113.500	Sedimentation/Siltation		Medium	20	Acres	0298	1200
					Erosion/Siltation					
1	L	LAKE PILLSBURY	111.630	Mercury		Low	2280	Acres	1209	1211
					Natural Sources					

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1	R	ALBION RIVER	113.400	Sedimentation/Siltation <i>USEPA is preparing TMDL for Albion River.</i>	Silviculture Nonpoint Source	Medium	14	Miles	0299	1201
1	R	AMERICANO CREEK	115.300	Nutrients <i>(See Estero Americano)</i>	Pasture Land Riparian Grazing Upland Grazing Animal Operations Manure Lagoons Dairies	Medium	7	Miles	0497	0206
1	R	BIG RIVER	113.300	Sedimentation/Siltation	Silviculture Nonpoint Source	Medium	40	Miles	0299	1201
1	R	EEL RIVER, MIDDLE FORK	111.700	Sedimentation/Siltation <i>USEPA will develop a TMDL for Eel River, Middle Fork.</i>	Erosion/Siltation	Low	64	Miles	0201	1203
				Temperature <i>USEPA will develop a TMDL for Eel River, Middle Fork.</i>	Nonpoint Source	Low	64	Miles	0201	1203
1	R	EEL RIVER, MIDDLE MAIN FORK	111.70	Sedimentation/Siltation <i>USEPA will develop a TMDL for Eel River, Middle Main Fork.</i>	Range Land Silviculture Nonpoint Source	Low	1075.38	Miles	0203	1205
				Temperature <i>USEPA will develop a TMDL for Eel River, Middle Main Fork.</i>	Nonpoint Source	Low	1075.38	Miles	0203	1205

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1	R	EEL RIVER, NORTH FORK	111.500	Sedimentation/Siltation		Low	41	Miles	0200	1202
				USEPA will develop TMDL for Eel River, North Fork						
					Silviculture					
					Logging Road Construction/Maintenance					
					Erosion/Siltation					
					Nonpoint Source					
				Temperature		Low	41	Miles	0200	1202
				USEPA will develop TMDL for Eel River, North Fork.						
					Nonpoint Source					
1	R	EEL RIVER, SOUTH FORK	111.300	Sedimentation/Siltation		Low	85	Miles	0297	1299
				USEPA is developing TMDL for Eel River, South Fork. Sediment and temperature TMDLs will be developed for: (1) the area tributary to and including the South Fork of the Eel River above Garberville and (2) the area tributary to and including the South Fork of the Eel River below Garberville.						
					Range Land					
					Silviculture					
					Logging Road Construction/Maintenance					
					Resource Extraction					
					Hydromodification					
					Flow Regulation/Modification					
					Removal of Riparian Vegetation					
					Erosion/Siltation					
					Nonpoint Source					
				Temperature		Low	85	Miles	0297	1299
				USEPA is developing TMDL for Eel River, South Fork.						
					Hydromodification					
					Flow Regulation/Modification					
					Removal of Riparian Vegetation					
					Erosion/Siltation					
					Nonpoint Source					
1	R	EEL RIVER, UPPER MAIN FORK	111.60	Sedimentation/Siltation		Low	1154.24	Miles	0202	1204
				USEPA will develop a TMDL for Eel River, Upper Main Fork.						
					Range Land					
					Silviculture					
					Nonpoint Source					

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				Temperature		Low	1154.24	Miles	0202	1204
				USEPA will develop a TMDL for Eel River, Upper Main Fork.						
				Nonpoint Source						
1	R	ELK RIVER	110.000	Sedimentation/Siltation		Medium	87.53	Miles	0207	2009
				Sedimentation, threat of sedimentation, impaired irrigation water quality, impaired domestic supply water quality, impaired spawning habitat, increased rate and depth of flooding due to sediment, property damage. Regional Water Board and California Department of Forestry staff are involved in ongoing efforts to attain adherence to Forest Practice Rules. It is possible that compliance will bring attainment prior to TMDL development.						
				Silviculture						
				Harvesting, Restoration, Residue Management						
				Logging Road Construction/Maintenance						
				Removal of Riparian Vegetation						
				Streambank Modification/Destabilization						
				Erosion/Siltation						
				Nonpoint Source						
1	R	FRESHWATER CREEK	110.000	Sedimentation/Siltation		Medium	72.67	Miles	0208	1210
				Sedimentation, threat of sedimentation, impaired irrigation water quality, impaired domestic supply water quality, impaired spawning habitat, increased rate and depth of flooding due to sediment, property damage. Regional Water Board and California Department of Forestry staff are involved in ongoing efforts to attain adherence to Forest Practice Rules. It is possible that compliance will bring attainment prior to TMDL development.						
				Silviculture						
				Harvesting, Restoration, Residue Management						
				Logging Road Construction/Maintenance						
				Erosion/Siltation						
				Nonpoint Source						

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1	R	GARCIA RIVER	113.700	Sedimentation/Siltation		High	39	Miles	0997	1297
				<p><i>The Regional Water Board is involved in extended public hearings to consider the adoption of a TMDL for sediment control on the Garcia River. In January, 1998, USEPA issued public notice for adoption and promulgation of a TMDL for sediment on the Garcia River.</i></p> <p>Riparian Grazing Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Removal of Riparian Vegetation Streambank Modification/Destabilization Channel Erosion Erosion/Siltation Nonpoint Source</p>						
				Temperature		High	39	Miles	0298	2000
				<p><i>Elevated temperatures impacting coldwater fisheries in these reaches and sub-areas: Planning Units 113.70010 (Pardaloe Creek), 113.70011, 12, 13, 14, 20, 21, and the entire mainstem Garcia River from Pardaloe Creek to the estuary, which includes that portion of 113.70022, 23, 24, 25, and 26. February 1998 - The Regional Water Board is working to adopt a TMDL for sediment on the Garcia River. It is possible that voluntary compliance with measures in this TMDL will improve conditions related to temperature prior to development of a TMDL for temperature.</i></p> <p>Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Nonpoint Source</p>						
1	R	GUALALA RIVER	113.800	Sedimentation/Siltation		Medium	35	Miles	0499	1201
				<p>Specialty Crop Production Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Road Construction Land Development Disturbed Sites (Land Develop.) Erosion/Siltation Nonpoint Source</p>						

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REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
1	R	KLAMATH RIVER	105.000	Nutrients		Medium	190	Miles	0402	0404
				<i>Nutrient TMDLs will be developed for the area tributary to and including:</i> Clear Lake Reservoir Area Lost River/Tule Lake to Oregon border Oregon border to iron Gate dam Iron Gate Dam to Scott River Scott River to Trinity River Trinity River to the Ocean						
				Municipal Point Sources Irrigated Crop Production Agricultural Return Flows Nonpoint Source						
				Org. enrichment/Low D.O.		Medium	180	Miles	0202	1204
				<i>Dissolved oxygen levels do not meet Basin Plan Objective. Fisheries habitat is impaired due to low dissolved oxygen levels. Dissolved Oxygen TMDL will be developed for the mainstem of the Klamath River.</i>						
				Municipal Point Sources Agricultural Return Flows Flow Regulation/Modification						
				Temperature		Medium	190	Miles	0402	0404
				<i>Temperature TMDLs will be developed for the area tributary to and including:</i> Clear Lake Reservoir Area Lost River/Tule Lake to Oregon border Oregon border to iron Gate dam Iron Gate Dam to Scott River Scott River to Trinity River Trinity River to the Ocean						
				Dam Construction/Operation Flow Regulation/Modification Water Diversions Habitat Modification Nonpoint Source						
1	R	MAD RIVER	109.000	Sedimentation/Siltation		Low	90	Miles	0205	0207
				<i>USEPA will develop TMDL for the Mad River. Sediment TMDLs will be developed for the area tributary to and including: (1) the Mad River (North Fork), (2) the Mad River(Upper), and (3) the Mad River (Middle).</i>						
				Silviculture Resource Extraction Nonpoint Source						

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REGION	TYPE	NAME	HYDRO UNIT	POLLUTANT/STRESSOR*	SOURCE	PRIORITY	SIZE AFFECTED	UNIT	START DATE	END DATE
				Turbidity		Low	90	Miles	0205	0207
				Turbidity TMDLs will be developed for the area tributary to and including: (1) the Mad River (North Fork), (2) the Mad River(Upper), and (3) the Mad River (Middle).						
					Silviculture					
					Resource Extraction					
					Nonpoint Source					
1	R	MATTOLE RIVER	112.300							
				Sedimentation/Siltation		Medium	56	Miles	0200	1202
					Specialty Crop Production					
					Range Land					
					Riparian Grazing					
					Silviculture					
					Hydromodification					
					Habitat Modification					
					Removal of Riparian Vegetation					
					Streambank Modification/Destabilization					
					Erosion/Siltation					
					Nonpoint Source					
				Temperature		Medium	56	Miles	0200	1202
					Silviculture					
					Habitat Modification					
					Removal of Riparian Vegetation					
					Nonpoint Source					

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1	R	NAVARRO RIVER	113.500	Sedimentation/Siltation		Medium	25	Miles	0298	1200
<p><i>Sediment TMDLs will be developed for: (1) the area tributary to and including the Navarro River above Philo and (2) the area tributary to and including the Navarro River below Philo.</i></p> <p> Agriculture Nonirrigated Crop Production Irrigated Crop Production Specialty Crop Production Range Land Riparian Grazing Upland Grazing Agriculture-grazing Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Silvicultural Point Sources Construction/Land Development Highway/Road/Bridge Construction Road Construction Land Development Disturbed Sites (Land Develop.) Resource Extraction Flow Regulation/Modification Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Nonpoint Source </p>										

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				Temperature		Medium	25	Miles	0298	1200
				Temperature TMDLs will be developed for: (1) the area tributary to and including the Navarro River above Philo and (2) the area tributary to and including the Navarro River below Philo.						
					Agriculture					
					Agricultural Return Flows					
					Resource Extraction					
					Flow Regulation/Modification					
					Water Diversions					
					Agricultural Water Diversion					
					Habitat Modification					
					Removal of Riparian Vegetation					
					Streambank Modification/Destabilization					
					Drainage/Filling Of Wetlands					
					Nonpoint Source					
1	R	NOYO RIVER	113.200							
				Sedimentation/Siltation		Medium	35	Miles	0698	1299
					Silviculture					
					Nonpoint Source					
1	R	REDWOOD CREEK	107.000							
				Sedimentation/Siltation		Low	63	Miles	0497	1298
				Sediment TMDLs are being developed for: (1) the area tributary to and including the mainstem upstream of the Redwood National Park boundary and (2) for the area tributary to and including the mainstem within the Park boundary.						
					Range Land					
					Silviculture					
					Nonpoint Source					

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1	R	RUSSIAN RIVER	114.100	Sedimentation/Siltation		Medium	105	Miles	0209	1211
				<i>[Entire watershed, mainly tributaries.]</i> <i>Sedimentation, threat of sedimentation, siltation, turbidity, bank erosion impaired spawning and rearing habitat, increased rate and depth of flooding due to sediment, property damage, in Russian River and tributaries.</i> <i>Aggradation in the main stem Russian River. Sonoma County Water Agency has begun a comprehensive Endangered Species Act habitat assessment. This project should arrive at assessment and control measures equivalent to TMDL allocation and attainment strategies.</i>						
				Specialty Crop Production Riparian Grazing Upland Grazing Agriculture-storm runoff Silviculture Harvesting, Restoration, Residue Management Logging Road Construction/Maintenance Construction/Land Development Highway/Road/Bridge Construction Road Construction Land Development Disturbed Sites (Land Develop.) Other Urban Runoff Hydromodification Channelization Flow Regulation/Modification Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Channel Erosion Erosion/Siltation Nonpoint Source						
1	R	SCOTT RIVER	105.400	Sedimentation/Siltation		Low	68	Miles	0203	0405
				Irrigated Crop Production Pasture Land Silviculture Resource Extraction Mine Tailings Nonpoint Source						

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				Temperature		Low	68	Miles	0203	0405
					Irrigated Crop Production Pasture Land Agricultural Return Flows Silviculture Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization Drainage/Filling Of Wetlands Nonpoint Source					
1	R	SHASTA RIVER	105.500							
				Org. enrichment/Low D.O.		Low	52	Miles	0203	0905
					Riparian Grazing Agricultural Return Flows Flow Regulation/Modification					
				Temperature		Low	52	Miles	0203	0905
					Agriculture-irrigation tailwater Water Diversions Agricultural Water Diversion Habitat Modification Removal of Riparian Vegetation Drainage/Filling Of Wetlands Nonpoint Source					
1	R	STEMPLE CREEK	115.400							
				Nutrients		Low	17	Miles	0496	0498
				<i>This water body/pollutant was relisted by USEPA.</i>						
					Pasture Land Manure Lagoons Nonpoint Source					
1	R	TEN MILE RIVER	113.130							
				Sedimentation/Siltation		Low	10	Miles	0298	1200
				<i>USEPA is developing TMDL for Ten Mile River.</i>						
					Silviculture Nonpoint Source					

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1	R	TOMKI CREEK	111.620	Sedimentation/Siltation		Medium	18	Miles	0202	1204
				<p><i>USEPA will develop TMDL's for Eel River Watershed in the Tomki Creek vicinity. Tomki Creek, tributary to the Eel River, has been listed under Clean Water Act Section 303(d) due to the effects of sedimentation. Restoration effort has targeted the riparian area. Tomki Creek is under consideration for removal from the 303(d) list.</i></p> <p>Range Land Silviculture Erosion/Siltation Nonpoint Source</p>						
1	R	TRINITY RIVER	106.000	Sedimentation/Siltation		Medium	170	Miles	0199	1201
				<p><i>USEPA will develop TMDL for Trinity River. Sediment TMDLs will be developed for the area tributary to and including: (1) the Trinity River (Upper), (2) the Trinity River (Middle), and (3) the Trinity River (Lower).</i></p> <p>Range Land Silviculture Resource Extraction Mine Tailings Nonpoint Source</p>						
1	R	TRINITY RIVER, SOUTH FORK	106.200	Sedimentation/Siltation		Low	80	Miles	0397	1298
				<p><i>USEPA will be developing TMDL for South Fork Trinity River. Sediment TMDLs will be developed for: (1) areas tributary to and including Hayfork/Corral Creeks and (2) areas tributary to and including the South Fork of the Trinity River except Hayfork/Corral Creeks</i></p> <p>Riparian Grazing Silviculture Nonpoint Source</p>						
				Temperature		Low	80	Miles	0206	1208
				<p><i>Elevated temperatures impact coldwater fisheries. USEPA will be developing TMDL for South Fork Trinity River.</i></p> <p>Riparian Grazing Water Diversions Habitat Modification Removal of Riparian Vegetation Streambank Modification/Destabilization</p>						

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1	R	VAN DUZEN RIVER	111.200	Sedimentation/Siltation		Low	63	Miles	0297	1299
USEPA is developing TMDL for Van Duzen River. Sediment TMDLs will be developed for: (1) areas tributary to and including Yager Creek, (2) areas tributary to and including the Van Duzen River above Bridgeville, and (3) areas tributary to and including the Van Duzen River below Bridgeville.										
Range Land										
Silviculture										
Erosion/Siltation										
Nonpoint Source										

ABBREVIATIONS

REGIONAL WATER QUALITY CONTROL BOARDS

- 1 North Coast
- 2 San Francisco Bay
- 3 Central Coast
- 4 Los Angeles
- 5 Central Valley
- 6 Lahontan
- 7 Colorado River Basin
- 8 Santa Ana
- 9 San Diego

WATER BODY TYPE

B = BAYS AND HARBORS	I = LAKES / RESERVOIRS	S = SALINE LAKES
C = COASTAL SHORELINES	O = OCEAN AND OPEN BAYS	T = WETLANDS TIDAL
E = ESTUARIES	R = RIVERS / STREAMS	W = WETLANDS FRESHWATER
G = GROUND WATER		

HYDRO UNIT

"Hydro Unit" is the State Water Resources Control Board hydrological subunit area.

START AND END DATES

Start and End Dates are shown as the year or as month/year.

"GROUP A" or "CHEM A" PESTICIDES

aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, hexachlorocyclohexane (including lindane), endosulfan, and toxaphene

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